#Seating Arrangement#

Seating arrangement can be categorized as –

(i) Row OR Linear Seating Arrangement

(ii) Closed Loop Arrangement

    (a) Circular Seating Arrangement

    (b) Rectangular Arrangement

    (c) Hexagonal Seating Arrangement…….etc.

Row Arrangement

We have to draw a rough diagram to understand the row sitting arrangement –

Let's suppose B is sitting to the right of A, then we will draw

A   B

If it is given,
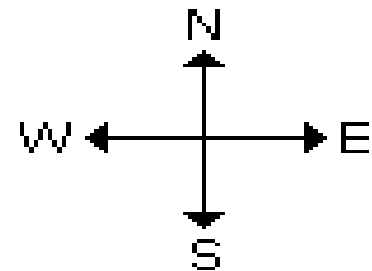C is sitting second to the right of A, then we will draw

A   C

If it is given
D is sitting third to the right of A, then we will
draw

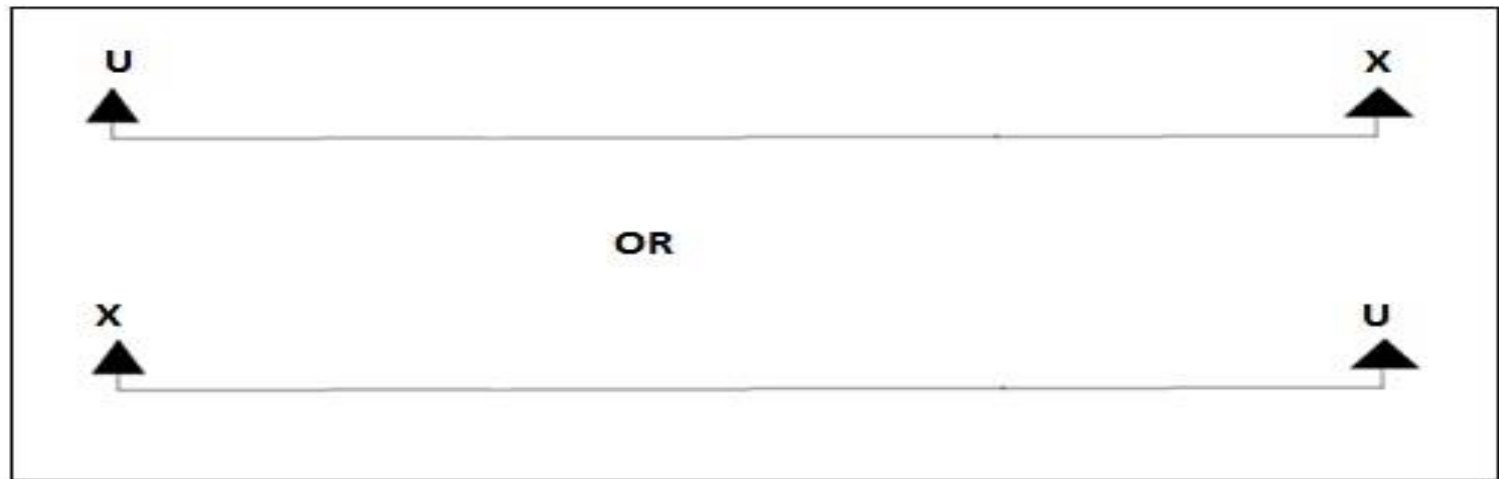A   D

Example-1:–

Four friends U, V, W and X are sitting in a row and facing towards north direction. U and X are sitting at two extreme ends. V is sitting between U and W. V is sitting second to the left of X.

N
W ← → E
S

Example-1:–

Four friends U, V, W and X are sitting in a row and facing towards north direction. U and X are sitting at two extreme ends. V is sitting between U and W. V is sitting second to the left of X.

Explanation – According to the diagram –

U

X

OR

X

U

Example-1:– Four friends U, V, W and X are sitting in a row and facing towards north direction. U and X are sitting at two extreme ends. V is sitting between U and W. V is sitting second to the left of X.
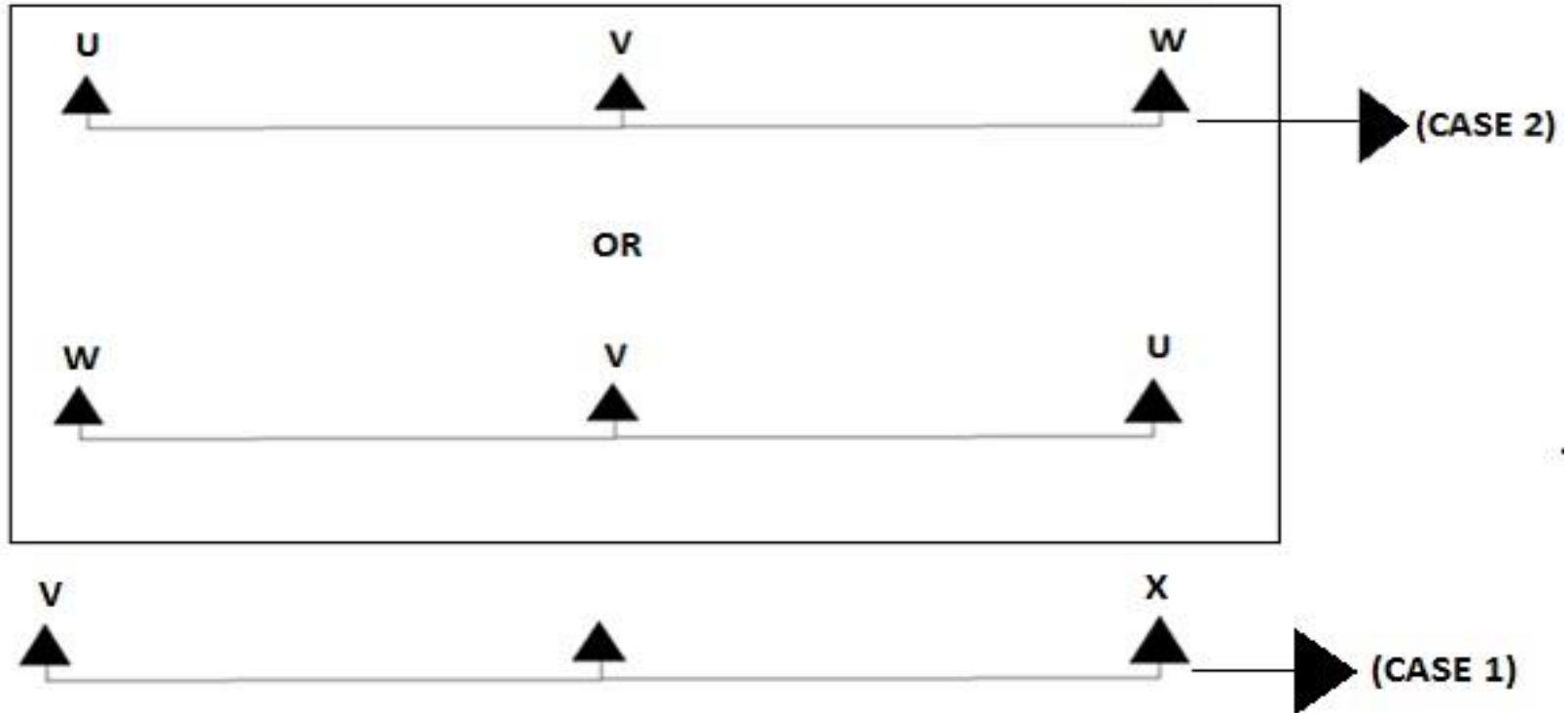
| U | | V | | W | |
| (CASE 2) |

OR

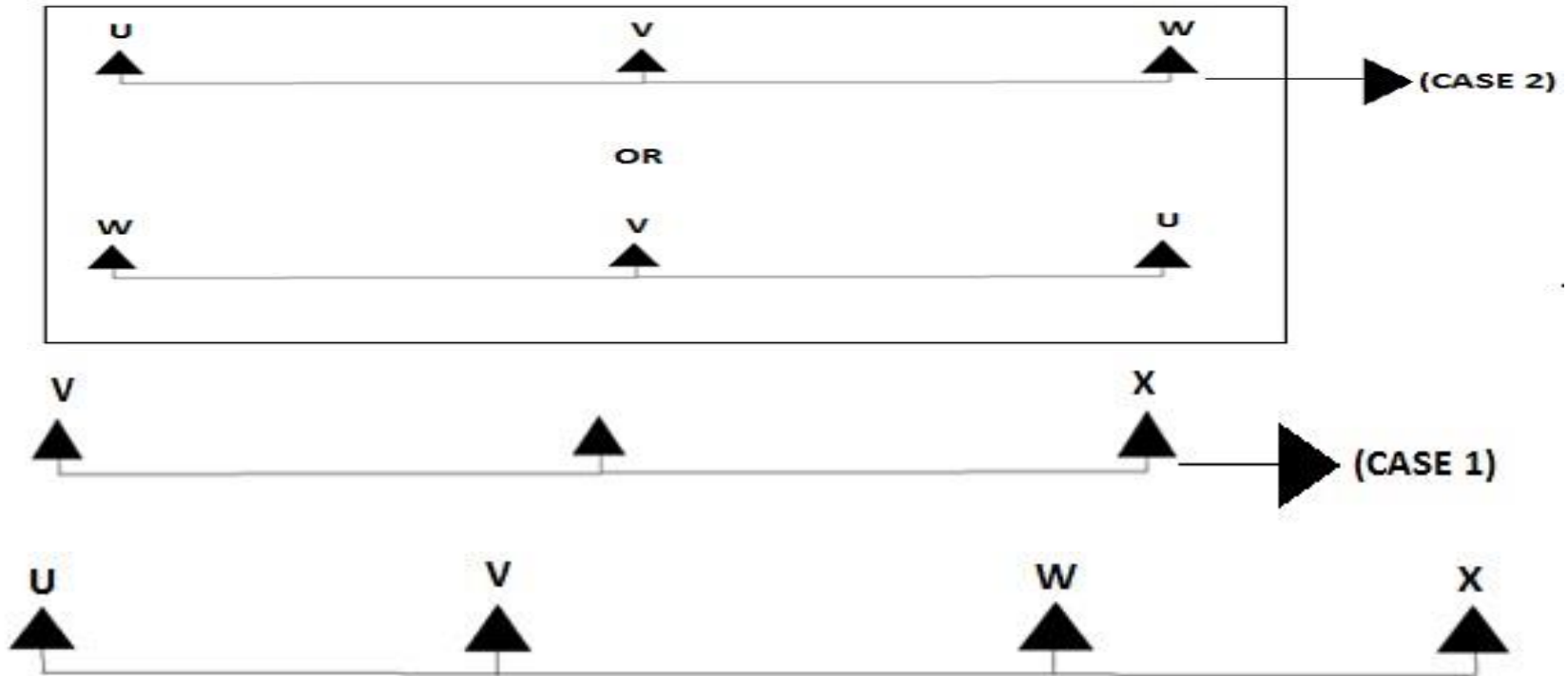| W | | V | | U | |

| V | | | | X | |
| (CASE 1) |

Example-1:– Four friends U, V, W and X are sitting in a row and facing towards north direction. U and X are sitting at two extreme ends. V is sitting between U and W. V is sitting second to the left of X.

By applying (CASE 1) and (CASE 2), we get

U	V	W

(CASE 2)

OR

W	V	U

V		X

(CASE 1)

U	V	W	X

From the diagram, it is clear that W is sitting immediate right of V.

Now Answer the following questions:-

Q1: − Who is sitting to the immediate right of V?

A − X   **B** − U   **C** − W   **D** − None of these

Answer − Option C

Q2: − Who is sitting to the immediate left of X?

A − W   **B** − U   **C** − V   **D** − None of these

Answer − Option A

Question3: – What is the number of People sitting between X and U?
A – Three
B – Five
C – One
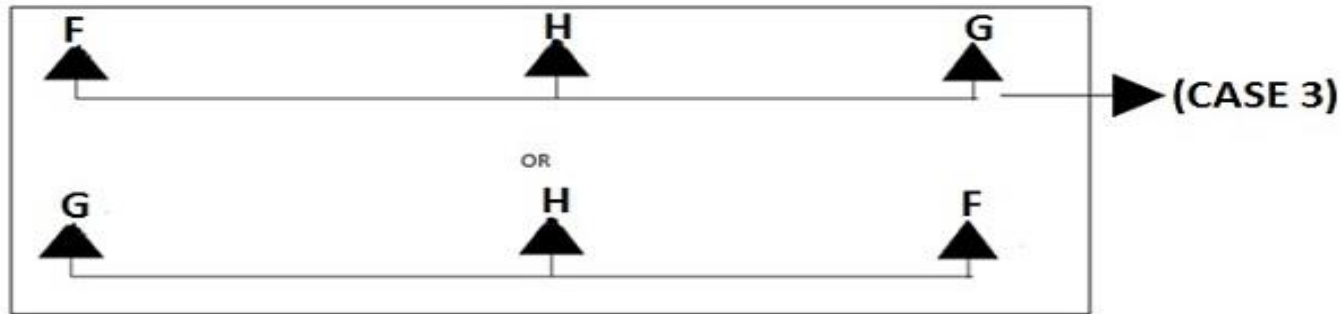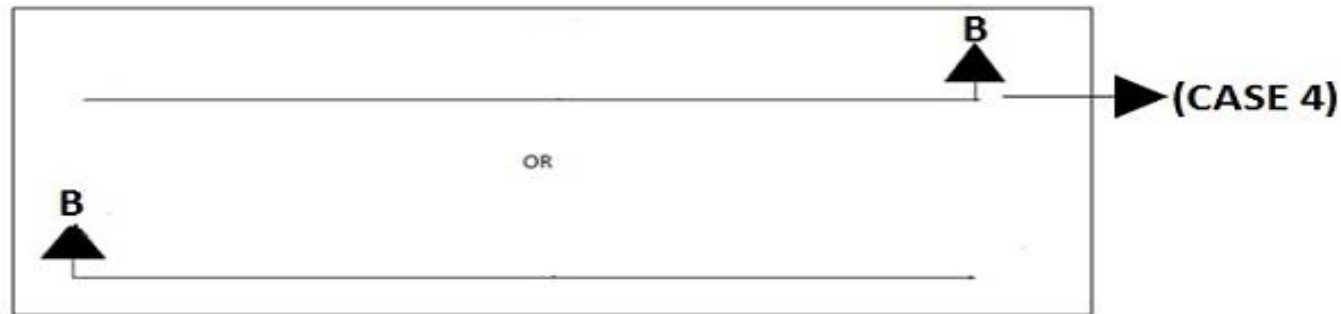**D** – Two

Answer – Option D
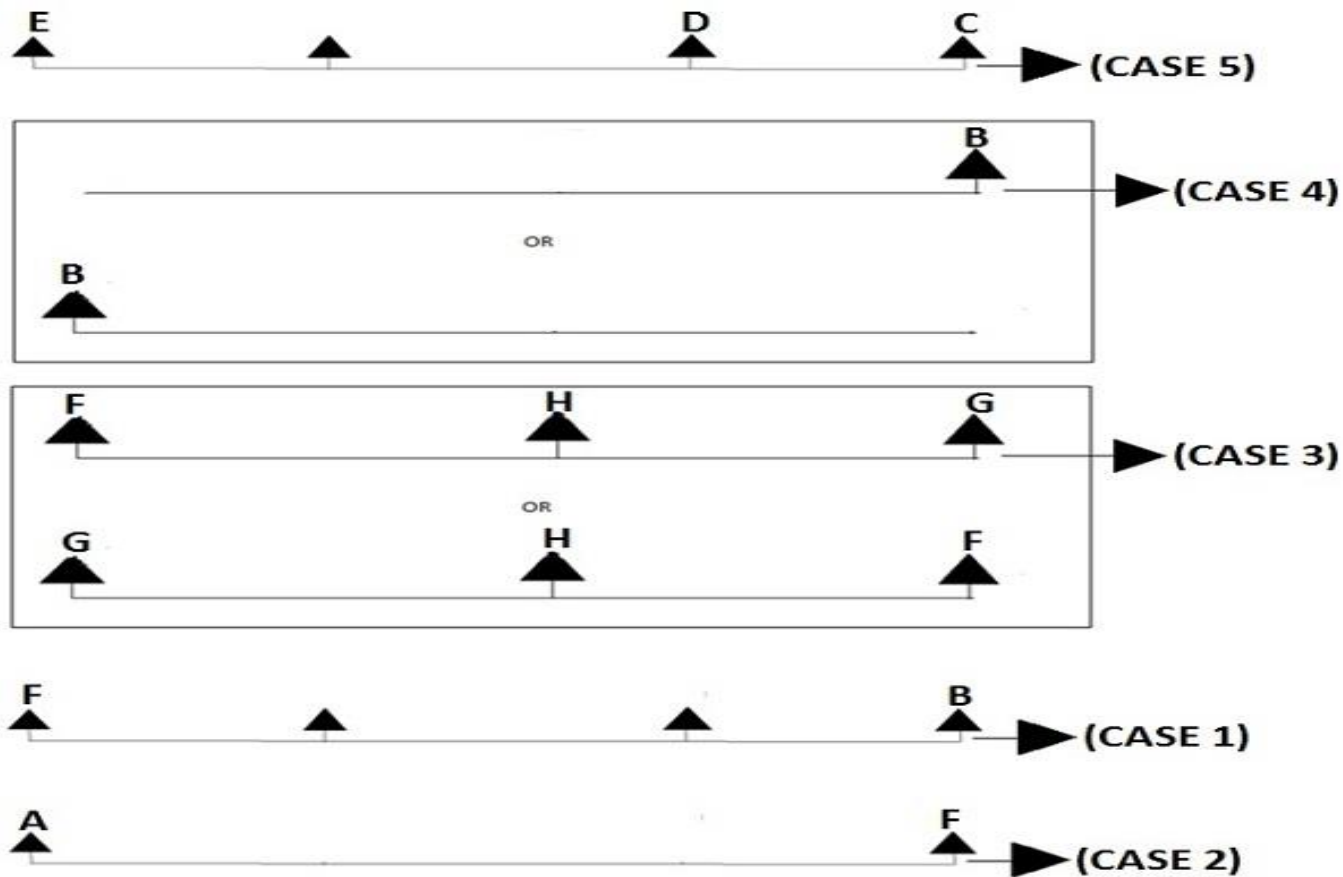
Question4: – Which statement is true?
A – X is sitting to the left of U.
B – U and X are sitting at extreme ends.
C – U is sitting between V and X.
D – Three people are sitting between U and X.

Answer – Option B

**Example2:- Study the given information carefully and answer the following-**
Nine girls A, B, C, D, E, F, G, H and I are seated in a row for watching movie. D is sitting second to the right of E and C is sitting third to the right of E. B is sitting at one end of the row. H is sitting between F and G. B is sitting third to the right of F. F is sitting to the immediate right of A?

E   D   C
▲   ▲   ▲   ▲——►(CASE 5)

                                    B
                                    ▲
                          ————————————————►(CASE 4)

                OR

B
▲
—————————————————————————

F   H   G
▲   ▲   ▲——►(CASE 3)

                OR

G   H   F
▲   ▲   ▲

F   B
▲   ▲   ▲   ▲——►(CASE 1)

A   F
▲   ▲——►(CASE 2)

(CASE 5)

(CASE 4)

OR

(CASE 3)

OR

(CASE 1)

(CASE 2)

By applying (CASE 1), (CASE 2), (CASE 3), (CASE 4) and (CASE 5), we get the following sitting arrangements.

E I D C   A   F   H G B
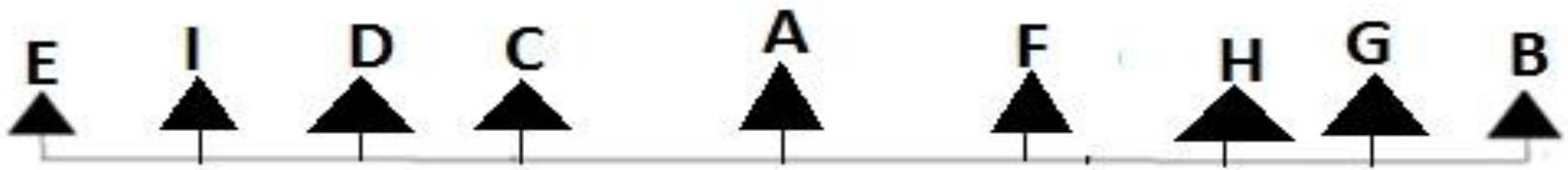
Question1: – Which of the following is the first girl sitting between the second and the third girl?
Options :
A - GHB
B - CAF
C - EID
D - DAC

Answer - A

Question2: – What is the position of I?
Options :
A - To the immediate right of B.
B - To the immediate left of G.
C - Sitting between A and H.
D - Sitting between E and D.

Answer - D

E   I   D   C   A   F   H G   B
▲   ▲   ▲   ▲   ▲   ▲   ▲ ▲   ▲

Question3: – Which of the following pairs represents the immediate neighbors of A?
Options :
A - EI
B - CF
C - GB
D - DI

Answer - B

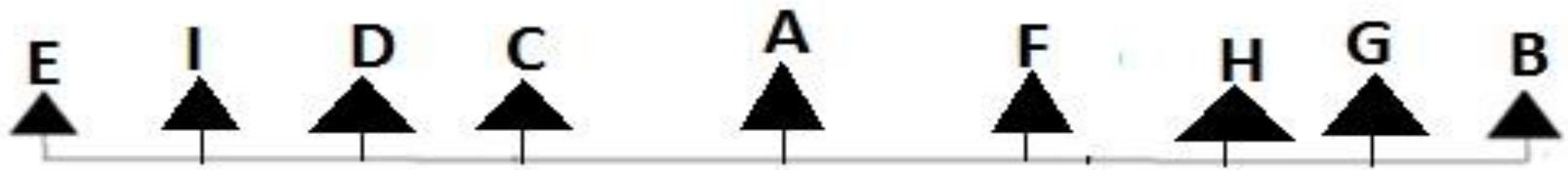**Question4: –** Who is sitting to the right of E?
Options :
A - A
B - B
C - I
D - G

Answer - C

E I D C A F H G B

Question5:– Which girl is sitting exactly in the middle of the all girls?
Options :
A - A
B - B
C - E
D - None of these

Answer - A

Question6: – How many girls are seated between E and H?
Options :
A - Three
B - Four
C - Five
D - Six

Answer - C

Example:-Study the following information carefully to answer these questions -

Eight friends P, M, R, T, Q, U, V & W are sitting in two opposite rows, facing each other. Each row has 4 persons. P is between U and V and is facing North. W is opposite to Q who is to the immediate left of M. R is between T and M. W is to the immediate right of V.
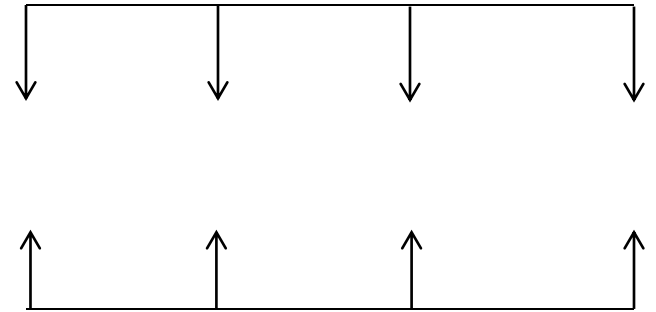
Structure:-

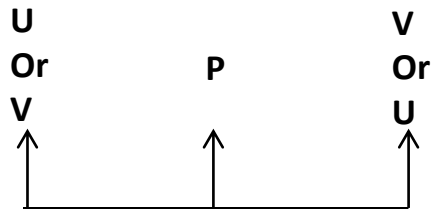**Example:-**Study the following information carefully to answer these questions - Eight friends P, M, R, T, Q, U, V & W are sitting in two opposite rows, facing each other. Each row has 4 persons. **P is between U and V and is facing North**. **W is opposite to Q who is to the immediate left of M. R is between T and M. W is to the immediate right of V.**
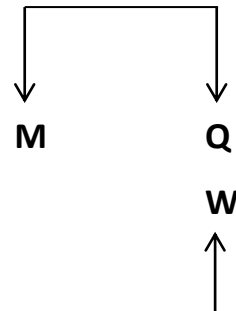
Step-I

| U Or V | P | V Or U |

Step-II

| M | Q |
| | W |

Step-III

| T | R | M | Q |
| | | | W |

Step-IV

| T | R | M | Q |
| U | P | V | W |

```
  ┌──────────┬──────────┬──────────┐
  ↓          ↓          ↓          ↓

  T          R          M          Q

  U          P          V          W
  ↑          ↑          ↑          ↑
  └──────────┴──────────┴──────────┘
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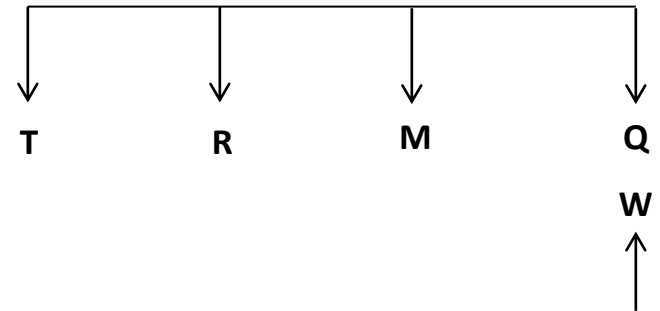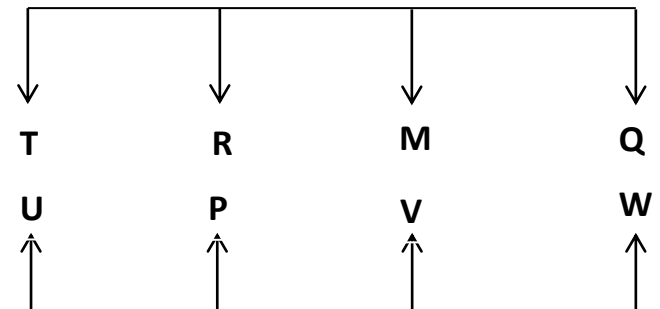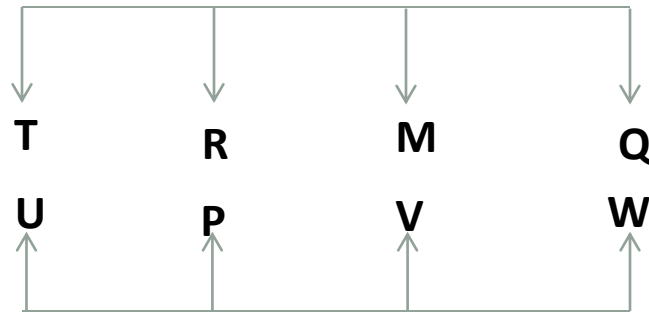
Q1. Who is to the immediate right of R?

a. M

b. U

c. M or T

d. Cannot be determined

e. None of these

Answer - e
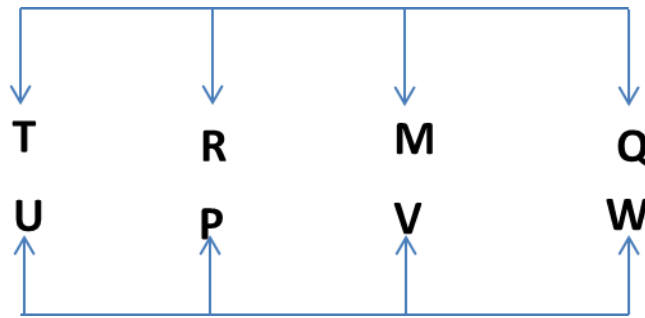
Q2. Which of the following pairs has the person sitting opposite each other?

a. MV

b. RV

c. TV

d. UR

e. None of these

Answer - a

Q3. Four of the following five are alike in a certain way on the basis of their positions and so form a group. Which is the one that does not belong to the group?

a. TP

b. RV

c. QP

d. QV

e. MW

Answer - C

T	R	M	Q
U	P	V	W
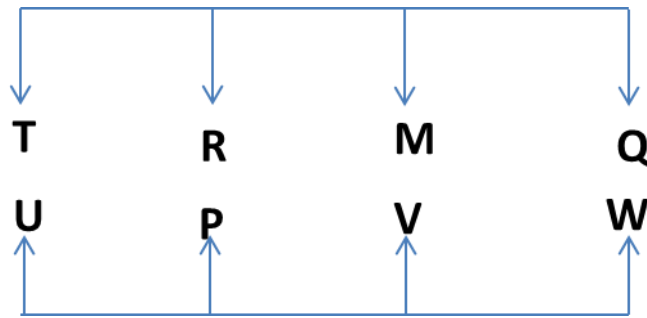
Q4. Which of the following pairs of persons has second person sitting to the immediate left of the first person?

a. UP

b. VP

c. QM

d. RT

e. None of these

Answer - b

Q5. Who is sitting opposite of R?

a. U

b. Q

c. V

d. P

e. None of these

Answer - d

Example:-In a row of soldiers facing North, (i) Lambert is 8th to the right of Khurusheva; (ii) Mickey is 16th from the left end; (iii) Lambert is 16th to the right of Jackson, who is 27th from the right end of the row; (iv) Khurusheva is nearer than Mickey to the right end of the row; (v) there are 5 soldiers between Mickey and Khurusheva.

K   L
↑   7   ↑
_____

#Indirect Information:-

            M   M   M
            ↑   ↑   ↑
   15
_____
        15
                    15

Example:-In a row of soldiers facing North, (i) Lambert is 8th to the right of Khurusheva; (ii) Mickey is 16th from the left end; (iii) Lambert is 16th to the right of Jackson, who is 27th from the right end of the row; (iv) Khurusheva is nearer than Mickey to the right end of the row; (v) there are 5 soldiers between Mickey and Khurusheva.

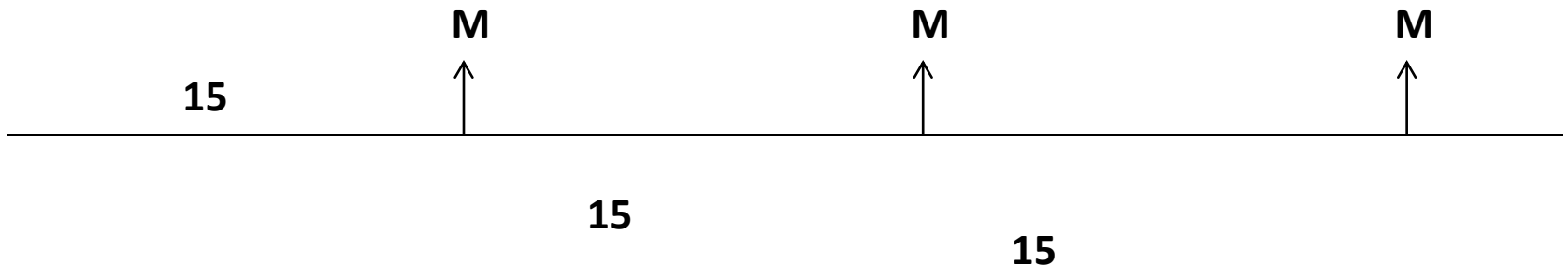J   K   L

7   7   10
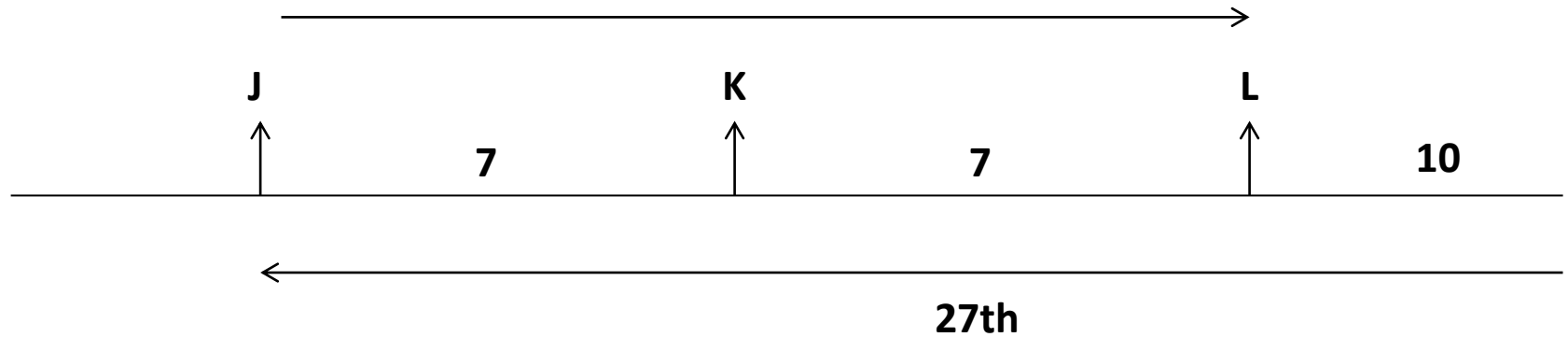
27th

Example:-In a row of soldiers facing North, (i) Lambert is 8th to the right of Khurusheva; (ii) Mickey is 16th from the left end; (iii) Lambert is 16th to the right of Jackson, who is 27th from the right end of the row; **(iv) Khurusheva is nearer than Mickey to the right end of the row;** (v) there are 5 soldiers between Mickey and Khurusheva.

J   K   L

↑   7   ↑   7   ↑   10

←────────────────────────────────

27

←──────────────────

←──────────────────────

M

↑

It Gives Us:-

J   M   K   L

13   ↑   1   ↑   5   ↑   7   ↑   10

	J	**M**		**K**		**L**	
13	↑	**1** ↑	**5**	↑	**7**	↑	**10**

Q1:- How many soldier are there between Jackson and Mickey?

A) One
B) Two
C) Three
D) Data Inadequate

Answer - A

Q2:- How far away is Khurusheva from the right end of the row?
A) 30th
B) 10th
C) 19th
D) 18th

Answer - C

	J	M		K		L	
13	↑	1	↑	5	↑	7	↑	10
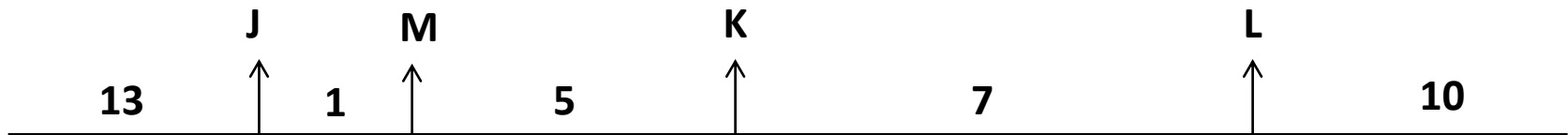
Q3:- How many soldiers are there between Lambert and Mickey?

A) 10
B) 12
C) 13
D) 11

Answer - C

Q4:- How many soldiers are there in the row?
A) 50
B) 40
C) 36
D) Data inadequate

Answer - B

	J		**M**			**K**				**L**	
	↑		↑			↑				↑	
13		**1**		**5**			**7**				**10**
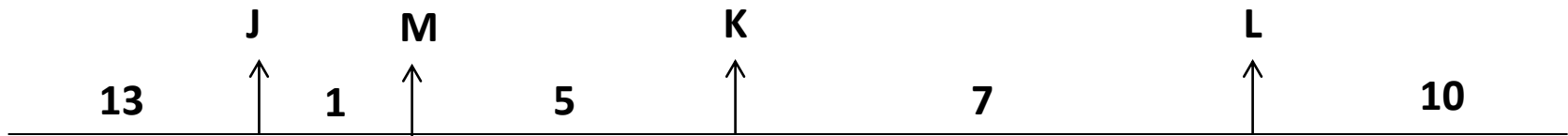
Q5- How far away is Micky from the right end of the row?
A) Data inadequate
B) 24th
C) 25th
D) 27th

Answer - C

Example:Study the information below and answer questions based on it.

We know that Raisina Hills is a famous area in Delhi. Office of Prime Minister of India(PMO) is situated at Raisina Hills. There are seven blocks in Prime Minister's Office, including the Prime Minister's block, which is being located at the centre. The other blocks are occupied by prime minister Officials. The seven officials of seven blocks (Including Prime Minister) are P, Q, R, S, T, U and V. The closer a official's block is to the prime minister's block, the higher is his rank in the prime minister's office, with a official on the prime minister's left outranking one equidistant from the prime minister's right.

I) T is four places to the left of the secretary.

II) V's neighbors are P and the Secretary.

III) S is two places to the left of U.

IV) The Convener, the Organizer and the Cashier are seated together, in that order, from left to right.

V) The Secretary is two places to the right of Q.

VI) The remaining officials are the Treasurer and the Chief Security Officer.

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Structure:-   Left To Right ⟶

Left most Block   Right most Block

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5	3	1		2	4	6

PM

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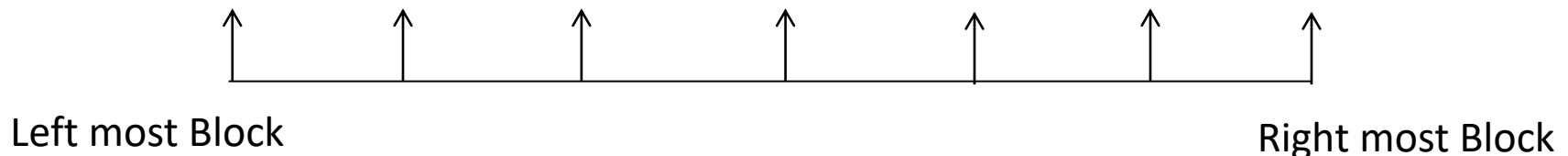
II) V's neighbors are P and the Secretary.

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VI) The remaining officials are the Treasurer and the Chief Security Officer.

5	3	1		2	4	6

PM

T

Sec

II) V's neighbors are P and the Secretary.
III) S is two places to the left of U.
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V) The Secretary is two places to the right of Q.
VI) The remaining officials are the Treasurer and the Chief Security Officer.

5   3   1   2   4   6

V

Sec or P   P or Sec   PM

T

Sec

III) S is two places to the left of U.
IV) The Convener, the Organizer and the Cashier are seated together, in that order, from left to right.
V) The Secretary is two places to the right of Q.
VI) The remaining officials are the Treasurer and the Chief Security Officer.

| 5 | 3 | 1 | | 2 | 4 | 6 |

V

Sec or P   **P or Sec**   **PM**

S   **U**

T

Sec

IV) The Convener, the Organizer and the Cashier are seated together, in that order, from left to right.

V) The Secretary is two places to the right of Q.

VI) The remaining officials are the Treasurer and the Chief Security Officer.

Left To Right: Convener, Organizer, Cashier

			5	3	1		2	4	6

V

Sec or P   P or Sec   PM

S   **U**

T

Sec

V) The Secretary is two places to the right of Q.
VI) The remaining officials are the Treasurer and the Chief Security Officer.

Left To Right: Convener, Organizer, Cashier

| 5 | 3 | 1 | | 2 | 4 | 6 |

V

Sec or P **P or Sec** **PM**

S
U

T

Sec

Q

Sec
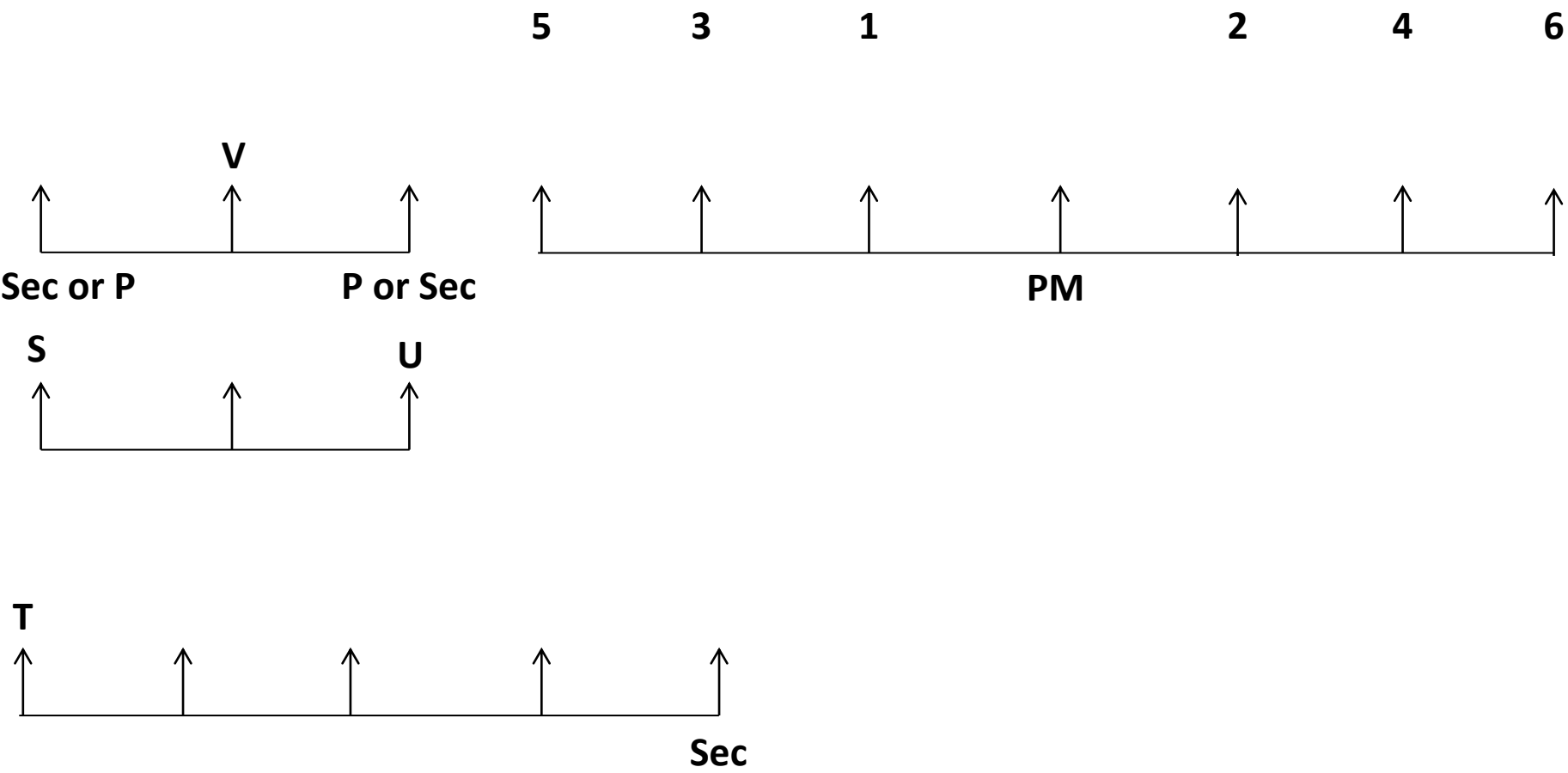
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Left To Right: Convener, Organizer, Cashier

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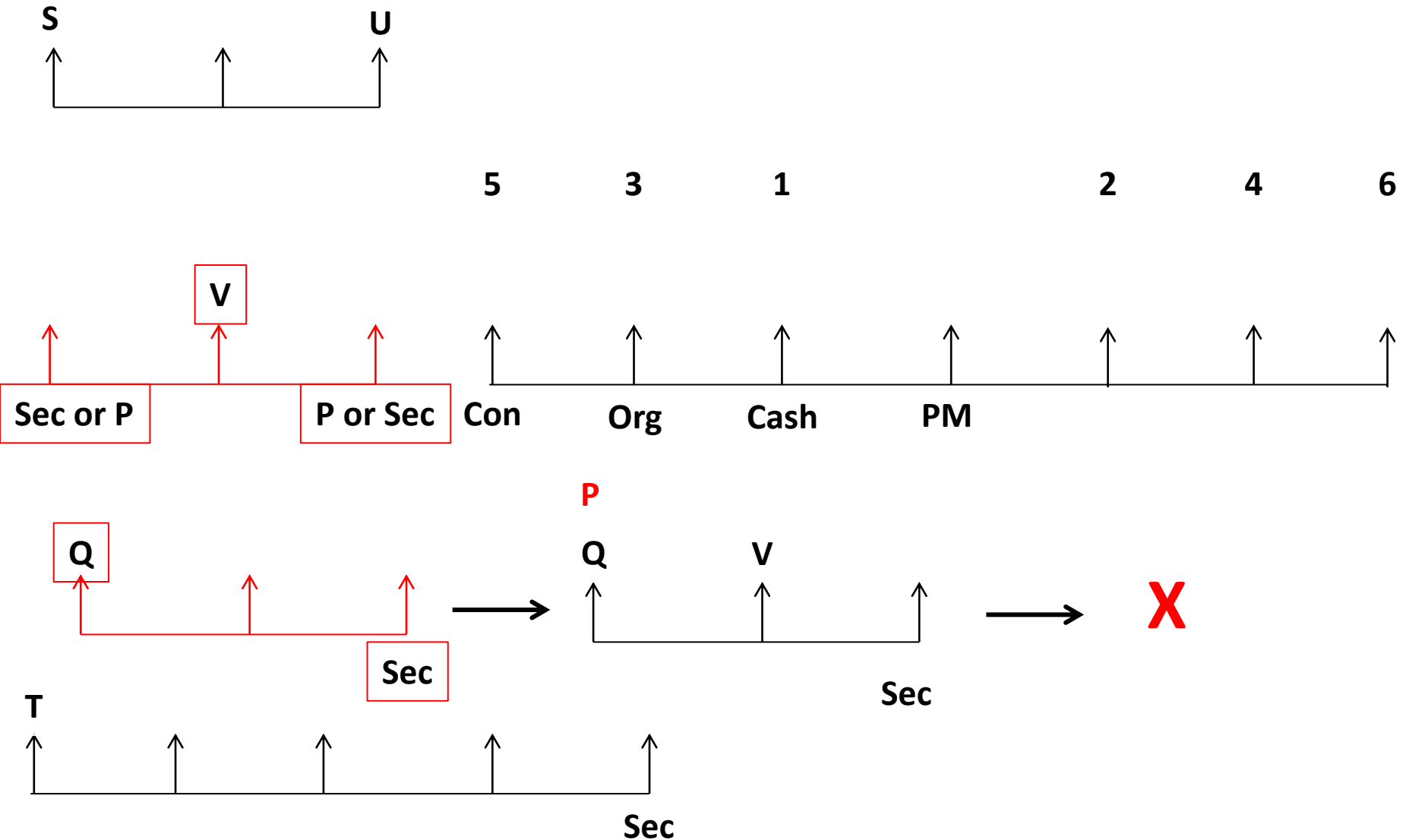
Left To Right: Convener, Organizer, Cashier

5   3   1   2   4   6

V

Sec or P   **P or Sec   Con**   **Org**   **Cash**   **PM**

S   **U**

T

Sec

Q

Sec

VI) The remaining officials are the Treasurer and the Chief Security Officer.

S   U

5   3   1   2   4   6

V

Sec or P   P or Sec   Con   Org   Cash   PM

P

Q   V

Q   Sec   X

T   Sec

VI) The remaining officials are the Treasurer and the Chief Security Officer.

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5	3	1		2	4	6
T	S	Q	U	R	V	P
Con	Org	Cash	PM	Sec	Tres Or CSO	CSO Or Tres

5	3	1		2	4	6
T	S	Q	U	R	V	P

Con   Org   Cash   PM   Sec   Tres   CSO
                                 Or   Or
                                 CSO   Tres

	5	3	1		2	4	6
	T	S	Q	U	R	V	P
	↑	↑	↑	↑	↑	↑	↑
	Con	Org	Cash	PM	Sec	Tres Or CSO	CSO Or Tres
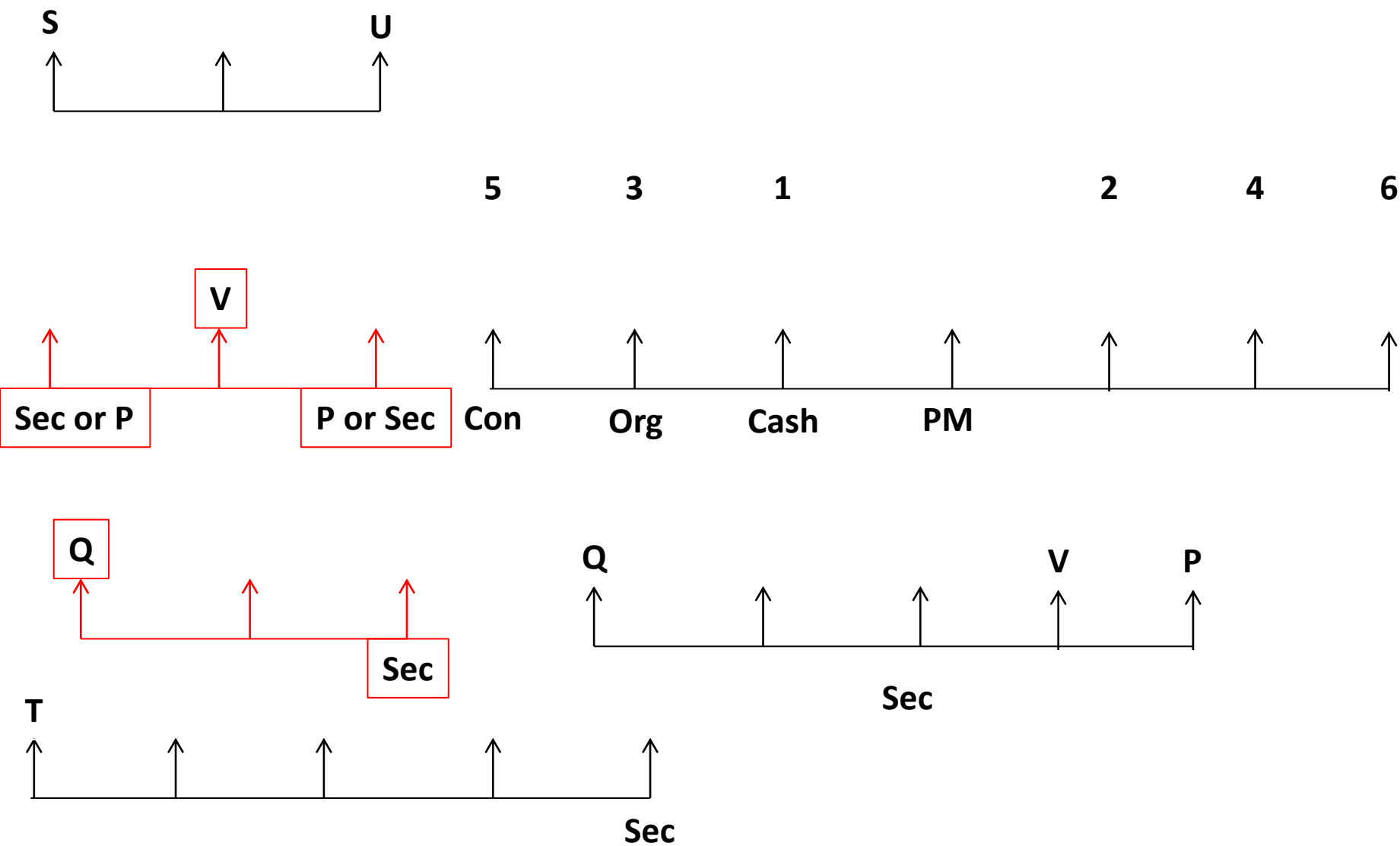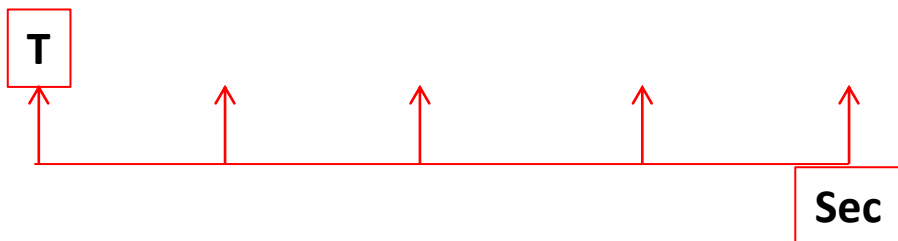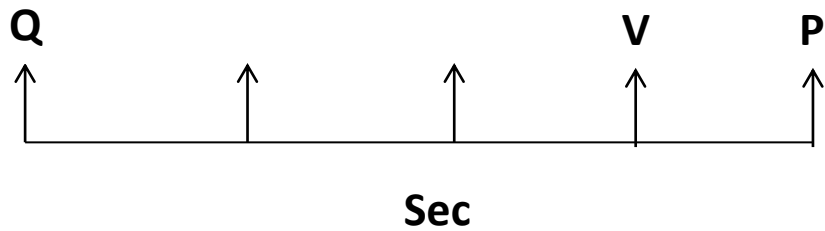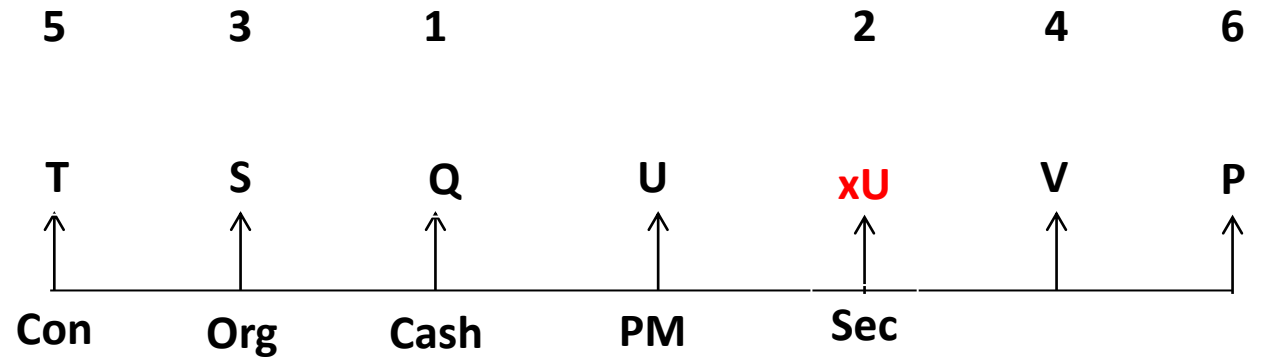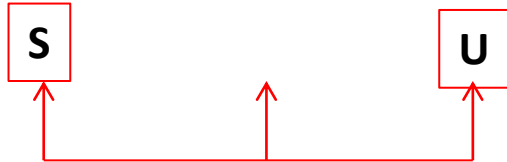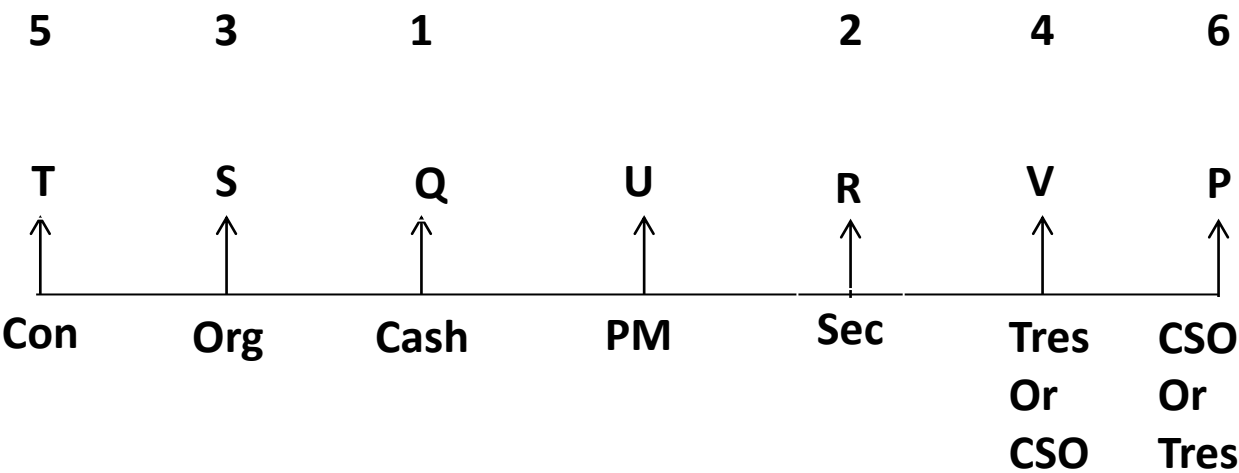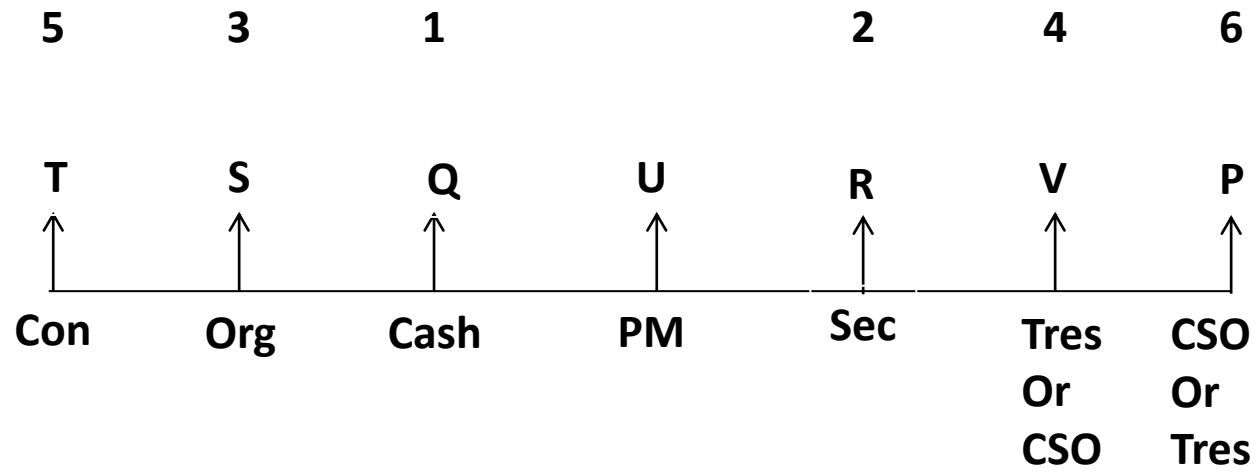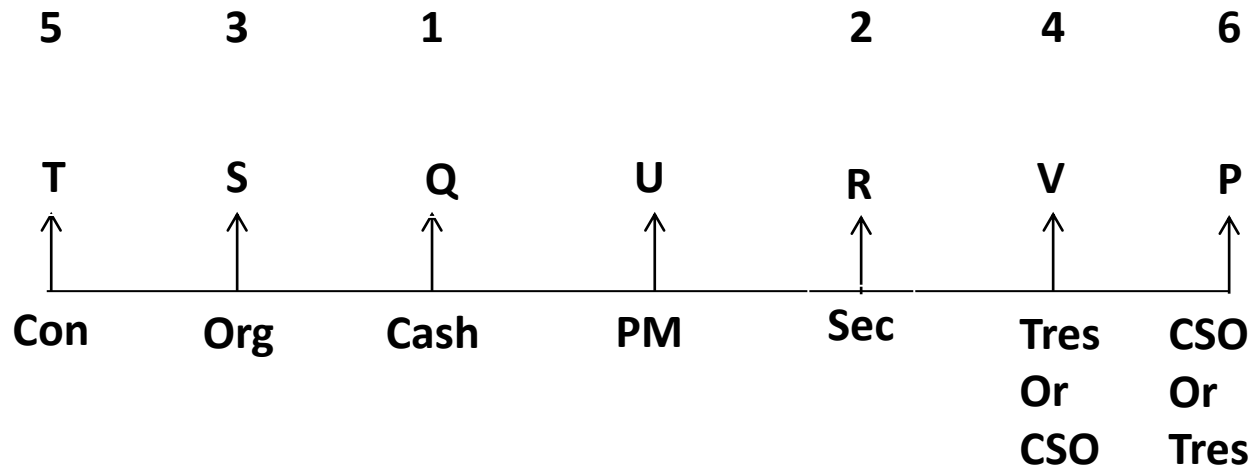
Q1) The prime minister of India is
a) R   b) U   c) T   d) V   e) P

Answer:-b

	5	3	1		2	4	6

T	S	Q	U	R	V	P
↑	↑	↑	↑	↑	↑	↑
Con	Org	Cash	PM	Sec	Tres Or CSO	CSO Or Tres
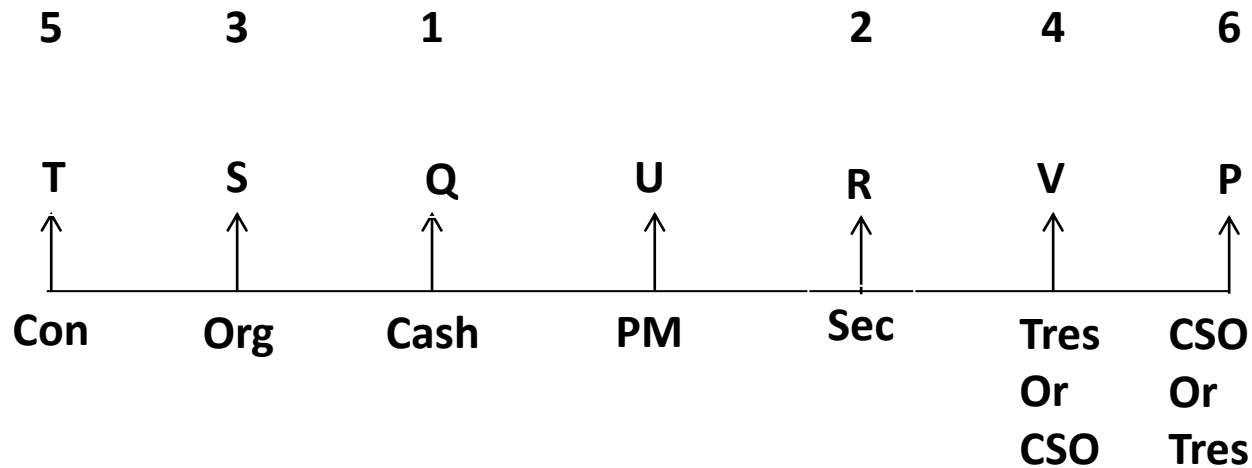
Q2) The Chief Security Officer in PMO is

I) outranks the Secretary.

II) outranks the Convener.

III) is outranked by the Organizer.

IV) is outranked by the Cashier.

a) I and IV   b) III and I   c) I and II   d) II and IV   e) III and IV

Answer:-e

	5	3	1	2	4	6
	T	S	Q	U	R	V	P
Con	Org	Cash	PM		Sec	Tres Or CSO	CSO Or Tres
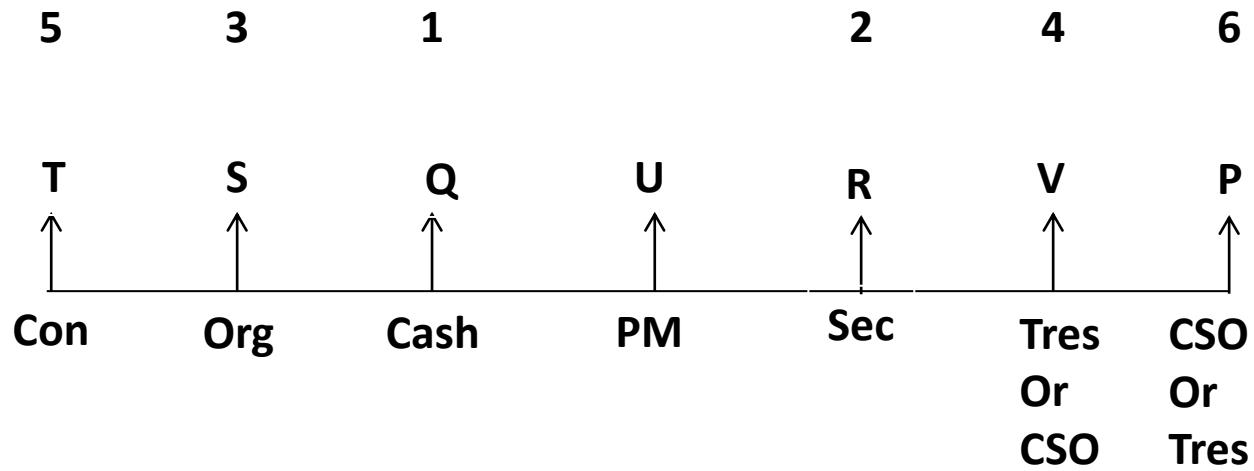
Q3) The fourth ranking person in the Prime Minister's Office is
a) V   b) P   c) S   d) U   e) Q

Answer:-a

	5	3	1		2	4	6
	T	S	Q	U	R	V	P
	↑	↑	↑	↑	↑	↑	↑
	Con	Org	Cash	PM	Sec	Tres	CSO
						Or	Or
						CSO	Tres
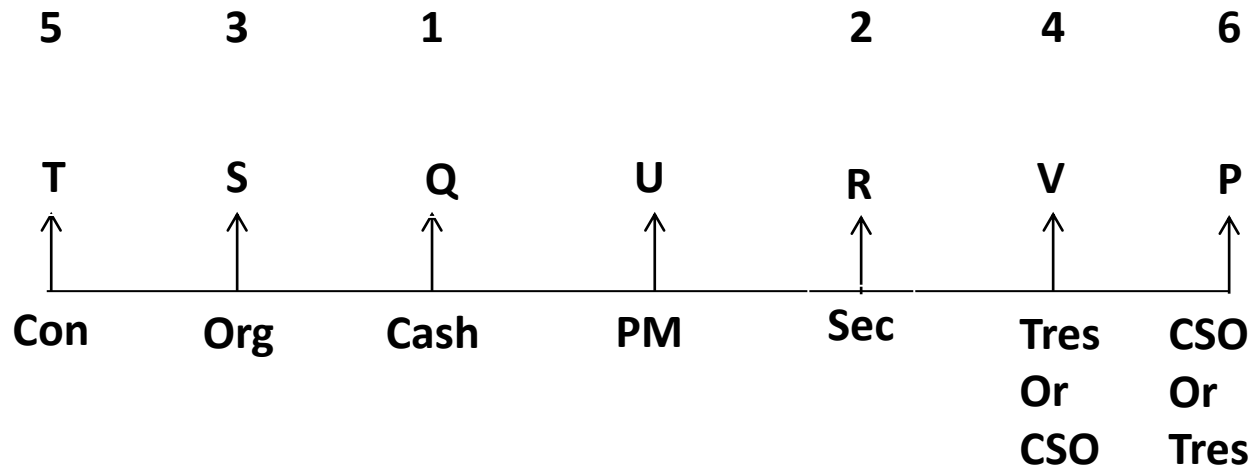
Q4) If R is ordered to vacate his block and move to the block occupied by a person two places lower rank to him, which of the following is true?
a) The Chief Security Officer has to vacate his house for R.
b) The organizer and the convener exchange houses.
c) The Cashier and U exchange houses.
d) V has to vacate his house for R.
e) All of these

Answer:-d

Example:Study the information below and answer questions based on it.

P, Q, R, S, T and U are six members in a family in which there are two married couples. S is the brother of U. Both S and U are lighter than Q. Q is the mother of S and lighter than T. R, a lady, is neither the heaviest nor the lightest in the family. T is lighter than R. The grandfather is the heaviest in the family. U and T are bachelors in the family.

Two married couples   Lightest <   <   <   <   < Heaviest

S is the brother of U.
S is a male.

S(+) < Q < T < R(-)
and
U < Q < T < R(-)

Q is the mother of S.
Q is a Female.

Example:Study the information below and answer questions based on it.

P, Q, R, S, T and U are six members in a family in which there are two married couples. S is the brother of U. Both S and U are lighter than Q. Q is the mother of S and lighter than T. R, a lady, is neither the heaviest nor the lightest in the family. T is lighter than R. The grandfather is the heaviest in the family. U and T are bachelors in the family.

| Two married couples | Lightest | < | < | < | < | < Heaviest |

S is the brother of U.   xR(-)   xR(-)

S is a male.

S(+) < Q < T < R(-)
and   →
U < Q < T < R(-)

                                            U(?) or S(+) < S(+) or U(?) < Q(-) < T(?) < R(-)

                                                1   **2**   **3**   **4**   **5**

Q is the mother of S.
Q is a Female.

Example:Study the information below and answer questions based on it.

P, Q, R, S, T and U are six members in a family in which there are two married couples. S is the brother of U. Both S and U are lighter than Q. Q is the mother of S and lighter than T. R, a lady, is neither the heaviest nor the lightest in the family. T is lighter than R. The grandfather is the heaviest in the family. U and T are bachelors in the family.

Two married couples	Lightest	<	<	<	<	< Heaviest
S is the brother of U.	xR(-)					xR(-)

Q is the mother of S.

Grandfather is the heaviest.

U(?) or S(+) < S(+) or U(?) < Q(-) < T(?) < R(-)

1   2   3   4   5

Example:Study the information below and answer questions based on it.

P, Q, R, S, T and U are six members in a family in which there are two married couples. S is the brother of U. Both S and U are lighter than Q. Q is the mother of S and lighter than T. R, a lady, is neither the heaviest nor the lightest in the family. T is lighter than R. The grandfather is the heaviest in the family. U and T are bachelors in the family.

Two married couples   **U(?) or S(+) < S(+) or U(?) < Q(-) < T(?) < R(-) < P(+)**

S is the brother of U.   **1**   **2**   **3**   **4**   **5**   **6**

                            Lightest   **Heaviest**

Q is the mother of S.

Grandfather is the heaviest.
P is a grandfather.

Example:Study the information below and answer questions based on it.

P, Q, R, S, T and U are six members in a family in which there are two married couples. S is the brother of U. Both S and U are lighter than Q. Q is the mother of S and lighter than T. R, a lady, is neither the heaviest nor the lightest in the family. T is lighter than R. The grandfather is the heaviest in the family. U and T are bachelors in the family.

Two married couples **U(?) or S(+) < S(+) or U(?) < Q(-) < T(?) < R(-) < P(+)**

S is the brother of U.   **1**   **2**   **3**   **4**   **5**   **6**

                                         Lightest

Q is the mother of S.

U and T are bachelors.

Example:Study the information below and answer questions based on it.

P, Q, R, S, T and U are six members in a family in which there are two married couples. S is the brother of U. Both S and U are lighter than Q. Q is the mother of S and lighter than T. R, a lady, is neither the heaviest nor the lightest in the family. T is lighter than R. The grandfather is the heaviest in the family. U and T are bachelors in the family.

Two married couples   **U(+) or S(+) < S(+) or U(+) < Q(-) < T(+) < R(-) < P(+)**

S is the brother of U.   **1   2   3   4   5   6**

Q is the mother of S.

U and T are bachelors.

Example:Study the information below and answer questions based on it.

P, Q, R, S, T and U are six members in a family in which there are two married couples. S is the brother of U. Both S and U are lighter than Q. Q is the mother of S and lighter than T. R, a lady, is neither the heaviest nor the lightest in the family. T is lighter than R. The grandfather is the heaviest in the family. U and T are bachelors in the family.

Two married couples   **U(+) or S(+) < S(+) or U(+) < Q(-) < T(+) < R(-) < P(+)**

S is the brother of U.   **1   2   3   4   5   6**

 Q is the mother of S. ──────────→ **That is why, S(+) is husband of R(-).**

U and T are bachelors.   **And**
                                                          Q(-) is wife of P(+).

Example:Study the information below and answer questions based on it.

P, Q, R, S, T and U are six members in a family in which there are two married couples. S is the brother of U. Both S and U are lighter than Q. Q is the mother of S and lighter than T. R, a lady, is neither the heaviest nor the lightest in the family. T is lighter than R. The grandfather is the heaviest in the family. U and T are bachelors in the family.

Two married couples are

U(+) or S(+) < S(+) or U(+) < Q(-) < T(+) < R(-) < P(+)

          1   **2**   **3**   **4**   **5**   **6**

S(+), R(-) and P(+), Q(-).

Two married couples are S(+), R(-) and P(+), Q(-).

U(+) or S(+) < S(+) or U(+) < Q(-) < T(+) < R(-) < P(+)
1   **2**   **3**   **4**   **5**   **6**

Q1. How is T related of U?
a) grand mother   b) sister   c) father
d) Data inadequate   e) None of these

Answer:-d

Two married couples are $U(+)$ or $S(+) < S(+)$ or $U(+) < Q(-) < T(+) < R(-) < P(+)$

S(+), R(-) and P(+), Q(-).

                          1   2   3   4   5   6

Q2. How is R related to S?

a) sister   b) grandmother   c) mother

d) cousin   e) none of these

Answer:-e

Two married couples are

S(+), R(-) and P(+), Q(-).

U(+) or S(+) < S(+) or U(+) < Q(-) < T(+) < R(-) < P(+)

1   2   3   4   5   6

Q3. Which of the following is a pair of married couples?

a) QS   b) UR   c) QT   d) UT

e) PQ

Answer:-e

Two married couples are S(+), R(-) and P(+), Q(-).

U(+) or S(+) < S(+) or U(+) < Q(-) < T(+) < R(-) < P(+)

1   2   3   4   5   6

Q4. Who among the following will be in the second place if all the members in the family are arranged in the descending order of their weight?

a) S   b) P   c) R   d) Data inadequate

e) none of these

Answer:-c

Two married couples are S(+), R(-) and P(+), Q(-).

U(+) or S(+) < S(+) or U(+) < Q(-) < T(+) < R(-) < P(+)

1   2   3   4   5   6

Q5. Who among the following is at the second place in given order of their weight?

a) S   b) P   c) R   d) Data inadequate

e) none of these

Answer:-d

Photographer's Dilemma
(A Famous Problem Solving Of Fame)

Study the information below and answer questions based on it.

Five of India's leading models are posing for a photograph promoting "you'know, world peace and understanding". But then, Rakesh Shreshtha the photographer is having a tough time getting them to stand in a straight line, because Aishwarya refuses to stand next to Sushmita because Sushmita had said something about her in a leading gossip magazine. Rachel and Anu want to stand together because they are "such good friends, you'know". Manpreet on the other hand cannot get along well with Rachel, because there is some talk about Rachel scheming to get a contract already awarded to Manpreet. Anu believes her friendly astrologer who has asked her to stand at the extreme right for all group photographs. Finally, Rakesh managed to pacify the girls and got a beautiful picture of five beautiful girls smiling beautifully in a beautiful straight line, promoting world peace.

Photographer

↓

Left   Right

Statements:- Aishwarya refuses to stand next to Sushmita because Sushmita had said something about her in a leading gossip magazine. Rachel and Anu want to stand together because they are "such good friends, you'know". Manpreet on the other hand cannot get along well with Rachel, because there is some talk about Rachel scheming to get a contract already awarded to Manpreet. Anu believes her friendly astrologer who has asked her to stand at the extreme right for all group photographs. Finally, Rakesh managed to pacify the girls and got a beautiful picture of five beautiful girls smiling beautifully in a beautiful straight line, promoting world peace.

Step-I	X Sush X	Ash	X Sush X

Step-II	Anu Or Rachel	Rachel Or Anu

Step-III	X Rachel X	Man	X Rachel X

Step-IV

		X Man X	Rachel	Anu

X Man X			Rachel	Anu

Sush Or Ash	Man	Ash Or Sush	Rachel	Anu

Sush Or Ash	Man	Ash Or Sush	Rachel	Anu

Q1: If Aishwarya is standing to the extreme left, which is the girl standing in the middle?
(a) Manpreet   (b) Sushmita   (c) Rachel   (d) Cannot say

Answer: b

Q2: If Aishwarya stands to the extreme left, which is the girl who stands second from left?
(a) Cannot say   (b) Sushmita   (c) Rachel   (d) Manpreet

Answer: d

Sush	Anu	Rachel	Ash	Man

Q3: If Anu's astrologer tells her to stand second from left and Aishwarya decides to stand second from right, then who is the girl standing on the extreme right?
(a) Rachel   (b) Sushmita   (c) Cannot say   (d) Manpreet

Answer: d

Step-I

X Sush X	Ash	X Sush X

Step-II

Anu Or Rachel	Rachel Or Anu

Step-III

X Rachel X	Man	X Rachel X

Queue OR Column Arrangement

Example:-Seven peoples-A B C D E F and G are standing in a queue in front of a ticket counter. Following information is known about them;

(1)The number of people standing in front of A is same as the number of people standing behind C.

(2) The number of people standing in front of G is same as the number of people standing behind D.

(3) Three people are standing between B and F.

(4) B is standing behind A, but ahead of E.

Seven peoples-A B C D E F and G are standing in a queue in front of a ticket counter. Following information is known about them:-

(1)The number of people standing in front of A is same as the number of people standing behind C.

Ticket Counter

Front

X

Behind

Possibilities For Statement(1)

A	C				
		A	C		
				A	C
				C	A
		C	A		
C	A				

(1) The number of people standing in front of A is same as the number of people standing behind C.

(2) The number of people standing in front of G is same as the number of people standing behind D.

(3) Three people are standing between B and F.

(4) B is standing behind A, but ahead of E.

Ticket Counter

Front

X

Behind

Possibilities For Statement(1)

A	C				
		A	C		
				A	C
				C	A
		C	A		
C	A				

(3) Three people are standing between B and F.
(4) B is standing behind A, but ahead of E.

 Statement (3) & (4) Gives Us:-

A	B or F
B	3
E	B or F

	✕		✕		
A	C				
		A	C		
				A	C
				C	A
		C	A		
C	A				

(2) The number of people standing in front of G is same as the number of people standing behind D.

Statement (3) & (4) Gives Us:-

(2)

✕

A			
	A		
		A	C
		C	A
	C		B
C			E

A	B or F
B	3
E	B or F

(2) The number of people standing in front of G is same as the number of people standing behind D.

Statement (3) & (4) Gives Us:-

(3)
✕

A		
	A	
		A
		B
		C
	C	
C		

A   B or F

B   3

E   B or F

(2) The number of people standing in front of G is same as the number of people standing behind D.

Statement (3) & (4) Gives Us:-

(2)
✗

A	D or G
	A
	B
	E
	G or D
	C
C	F

A   B or F

B   3

E   B or F

↑

G and D have the same symmetric positions as A and C from mid place of the arrangement.

(2) The number of people standing in front of G is same as the number of people standing behind D.
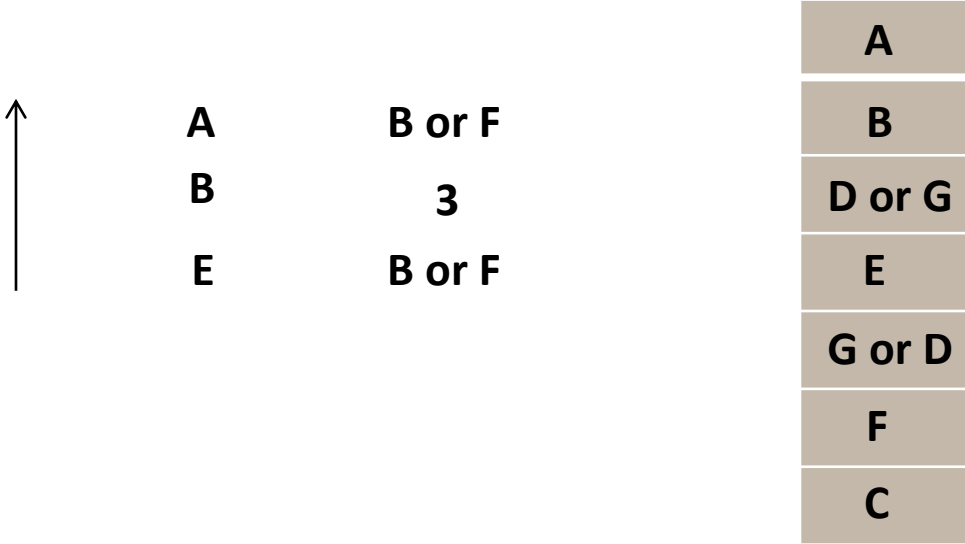
Statement (3) & (4) Gives Us:-

A	B or F
B	3
E	B or F

A
B
D or G
E
G or D
F
C

Q1. Who is standing in the middle of the queue?
A) E
B) A
C) B
D) F
E) cannot be determined.

Answer -A

Q2. Who is standing at the front end of the queue?
A) E
B) B
C) C
D) D
E) A

Answer - E

A
B
D or G
E
G or D
F
C

Q3. Who is standing at the rear end of the queue?
A) B
B) F
C) D
D) G
E) C

Answer -E

| A |
| B |
| D or G |
| E |
| G or D |
| F |
| C |

Q4. Who is standing immediate front of E?
A) D
B) G
C) D and G
D) Can't Say
E) None of these

Answer -D

Q5. Which statement is correct?
A) There are three persons standing between A and E.
B) D is standing behind E.
C) D is standing behind B.
D) C is standing front of the row.
E) B is neighbor of E in the given queue.

Answer -C

A
B
D or G
E
G or D
F
C

Q6. What is the position of C with respect to D?
A) Second towards the rear end.
B) Fourth towards the rear end.
C) Can't Say
D) Second or fourth towards the rear end.
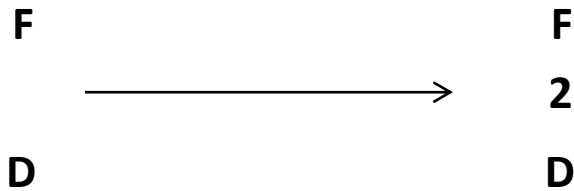E) None of these.

Answer -D

Example: Read the following information carefully and answer the questions which follow:
A, B, C, D, E and F live on different floors in the same building having six floors numbered one to six (the ground floor is numbered 1, the floor above it, number 2 and so on and the topmost floor is numbered 6).
There are two floors between the floors on which D and F live. F lives on a floor above D's floor. D does not live on floor number 2. A lives on an even numbered floor. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

Topmost Floor		6
		5
		4
	→	3
		2
Ground Floor		1

Example:-   **Only Statements**

F lives on a floor above D's floor. There are two floors between the floors on which D and F live. D does not live on floor number 2. A lives on an even numbered floor. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

F

D

$\longrightarrow$

F

2

D

Floor			
6			F
5		F	
4	F		
3			D
2		D	
1	D		

Example:-   **Only Statements**

F lives on a floor above D's floor. There are two floors between the floors on which D and F live. D does not live on floor number 2. A lives on an even numbered floor. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

X

Floor			
6			F
5		F	
4	F		
3			D
2		D	
1	D		

Example:-   **Only Statements**

F lives on a floor above D's floor. There are two floors between the floors on which D and F live. D does not live on floor number 2. A lives on an even numbered floor. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

6		F
5		
4	F	
3		D
2		
1	D	

Example:-   **Only Statements**

F lives on a floor above D's floor. There are two floors between the floors on which D and F live. D does not live on floor number 2. A lives on an even numbered floor. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

6	B	A	F	F
5				
4	F	F	B	A
3			D	D
2	A	B	A	B
1	D	D		

Example:-   **Only Statements**

F lives on a floor above D's floor. There are two floors between the floors on which D and F live. D does not live on floor number 2. A lives on an even numbered floor. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

			X	X
6	B	A	F	F
5				
4	F	F	B	A
3			D	D
2	A	B	A	B
1	D	D		

Example:-   **Only Statements**

F lives on a floor above D's floor. There are two floors between the floors on which D and F live. D does not live on floor number 2. A lives on an even numbered floor. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

		X
6	B	A
5	C	C
4	F	F
3		E
2	A	B
1	D	D

Example:- **Only Statements**

F lives on a floor above D's floor. There are two floors between the floors on which D and F live. D does not live on floor number 2. A lives on an even numbered floor. B does not live on an odd numbered floor. C does not live on any of the floors below F's floor. E does not live on a floor immediately above or immediately below the floor on which B lives.

6	B
5	C
4	F
3	E
2	A
1	D

Question 1: Who amongst the following live on the floors exactly between D and F?
(a) E, A
(b) C, B
(c) E, C
(d) A, C
(e) B, A

Answer -a

6	B
5	C
4	F
3	E
2	A
1	D

Question 2: On which of the following floors does B live?
(a) 6th
(b) 4th
(c) 2nd
(d) 5th
(e) Cannot be determined

Answer -a

Question 3: Who amongst the following live on the floors exactly between D and E?
(a) B
(b) C
(c) F
(d) A
(e) None of these

Answer: d

6	B
5	C
4	F
3	E
2	A
1	D

Directions : Study the following information carefully and answer the given questions.

Ten people are sitting in two parallel rows containing five people each, in such a way that there is an equal distance between adjacent persons. In row 1 - R, S, T, U and V are seated (but not necessarily in the same order) and all of them are facing north. In row 2 - F, G, H, I and J are seated (but not necessarily in the same order) and all of them are facing south. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. T sits third to right of the person who faces F. Only two people sit between F and I. The person who faces U sits to immediate left of H. Only one person sits between H and J. The one who faces G sits second to right of R, H does not face V.

- 1. Which of the following groups of people represents the people sitting at extreme ends of both the rows?

(a) F, J, R, R   (b) I, V, V, S   (c) J, I, V, T

(d) H, G, T, R   (e) F, G, T, U

- 2. Who sits to immediate right of the person who faces R?

(a) I   (b) H   (c) J   (d) F   (e) G

- 3. Who amongst the following faces U?

(a) G   (b) H   (c) J   (d) I   (e) F

Row 2 (South Face) → J F H G I
Row 1 (North Face) → V R S U T

Answers: 1)c, 2)c, 3)a

All The Best